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DESCRIPTORS: Physiology, *Fungi, Plants (Botany).
*Trees, Growth, Mycology.

The study that has been carried out makes it possible
to draw the following generalized conclusion. An oak
(tree), under definite conditions of cultivation, can
grow fairly well without the formation of mycorrhiza.
However, under the same conditions, the presence, in
it, of mycorrhiza, enhances its possibilities of utilizing
nutritive substances in the soil and water, increases
its vital activity and, in the long run, leads to an
intensification of growth. (Author)
(Biological Sciences--Botany, TT, v. 9, no. 12)

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DESCRIPTORS: Polymers, Physical properties, Mecha-
nical properties, Iron, "Metalorganic plastics, Addi-
tives.

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DESCRIPTORS: Biochemistry, Pharmacology,
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 Thyroxine, Insulin, Epinephrine, Hyperglycemia,
 Metabolism, Psychotropic Agents.

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 sine. The hyperglycemic reaction of adrenal increases.
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DESCRIPTORS: *Permanganates, *Potassium com-
pounds, Pyrolysis, Dissociation, Energy, Reaction
kinetics.

Formulas are adduced for the calculation of the
activation energies in the processes of the origination
(emergence) of initial centers and the nuclear growth
of the solid product during the thermal dissociation
of potassium permanganate. There are calculated the
overall activation energy, the activation energy of
the first and second stages in the process of the
(Chemistry--Physical, TT, v. 8, no. 9) (over)

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